

PORTABLE CO-LOCATED LOS AND SATCOM ANTENNA

ABSTRACT OF THE DISCLOSURE

A dual-band, dual-polarization LOS/SATCOM antenna having a plurality of omnidirectional elements surrounding a directional element. When the antenna is in an omnidirectional radiating mode, the directional element is disconnected from the circuit and only the omnidirectional elements radiate. The directional element has radiators at one end. When the antenna is in a directional mode, the omnidirectional elements fold out to be perpendicular to the transmission axis and serve as reflectors for the driving radiators, which also fold to be perpendicular to the transmission axis. The radiators and elements are adjustable in length to provide added gain.